Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/06/2019 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124449	-1	1.81	124470	1.77
Blue	F	SSC	125000	124689	-1	1.54	125463	1.52
Blue	E	FITC	16433	16049	-3	2.73	349	19.90
Blue	D	PE	27595	27294	-2	1.90	594	14.71
Blue	B	PerCP-Cy5-5	43183	42965	-1	3.65	1154	19.43
Blue	A	PE-Cy7	31943	31794	-1	6.04	605	40.03
Red	C	APC	42819	42207	-2	2.39	1490	12.03
Red	A	APC-Cy7	31261	30080	-4	2.24	795	12.06
Violet	B	V450	6527	6291	-4	4.36	353	13.59
Violet	A	V500	24533	23887	-3	4.15	556	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17781	8.74	610	10	N/A	N/A	Pass
Blue	F	SSC	56688	1.14	552	4	N/A	N/A	Pass
Blue	E	FITC	63	63.54	539	0	0.0203	119	Pass
Blue	D	PE	124	48.82	536	2	0.1563	238	Pass
Blue	B	PerCP-Cy5-5	213	47.32	646	4	0.0100	50	Pass
Blue	A	PE-Cy7	113	98.84	694	5	0.0114	16	Pass
Red	C	APC	356	24.88	579	-4	0.0247	133	Pass
Red	A	APC-Cy7	176	28.24	558	-5	0.0053	599	Pass
Violet	B	V450	53	59.30	452	-3	0.0422	1575	Pass
Violet	A	V500	83	31.40	464	-3	0.0223	424	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.55	-31.72	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.12	13.60 - 20.40	N/A	N/A	29.00	29.80	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9516

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments